



Put your title here

Koen Blanke, Jochem Arends, Milan Lopuhaä-Zwakenberg

Pre-master track: CS and IST

Submission date: November 21, 2024

Type the Abstract here (with no 'Abstract' heading, 150 words max.). This document contains instructions for authors who intend to write a paper for the ARS Conference at the University of Twente. It provides information on the layout and arrangement of the publication as well as on e.g. the typefaces that are used. For all relevant elements of the publication, a description is given. Authors may use any text editor, but they should eventually deliver the paper in Portable Document Format (PDF). The final manuscript should be submitted via Canvas, using the file name that is requested there. The deadline for sending the final manuscript can also be found on Canvas. In case of questions, please contact the conference secretariat (w.dankers@utwente.nl).

1. This is a 1st order heading

This is the paper template for the Academic Research Skills conference proceedings. Please ensure that you follow this format exactly, so that the ARS team can ensure that the layout of all publications is consistent. The maximum page count for this publication is 6 pages. The minimum page count is 4 pages. The page size is ISO A4. The template uses two columns, each 89,3 mm. wide, with a gutter of 5,5 mm. The default typeface is Cambria, with a font size of 9 points. The line spacing is set to single. In the publication, the language is British English. Ensure that the language options for spell-check are set accordingly.

1.1. This is a 2nd order heading

This section describes how to specify the title, names of authors, track and date of the publication. The title is typed at the position indicated, in Cambria, 14 points. The title does not use capitalisation, except for the first letter, for standard abbreviations and for names. Titles do not incorporate signs like copyrights, trademarks etc.

Two lines below the title (at the position indicated), the name of the authors is typed in 11 point typeface. For each name, please type the first name, then any middle initials and then your last name. Composite last names ('van den ...' or 'de ...') should not be abbreviated and should be written in speaking order. All names and initials are capitalised – except for prefixes in composite names. As an example, a name could be John F.H. Doe or Jan de Ontwerper. Do not use academic titles.

The pre-master track that you are enrolled in is specified two lines below the name of the author, again, at the position provided. This template already contains all possible options, so please just remove the part of the line provided that does not apply. The next line states the submission date, i.e. the date at which the document

is submitted via Canvas. Provide the date as month dd, yyyy. An example could be: January 1, 2030.

1.2. Abstract and keywords

Start typing the abstract immediately below the horizontal line. The abstract should provide a brief summary of the contents of your publication. It can not contain any references. Do not start the abstract with a heading 'Abstract'. The abstract should not consist of more than 150 words. Below the abstract leave one empty line and then enter the keywords of your publication. Do not start this line with a heading 'Keyword'. You are free to select appropriate keywords, with a maximum of five. Select meaningful keywords, and avoid generic words like 'design'. Also, do not use company/organisation names as keywords.

1.3. Headings

The publication template uses two levels of headings; Heading 1 and Heading 2 are provided in the Styles in this word document. To avoid any complexities with the numbering of headings, the numbering is done manually. Do not use a third level heading that is numbered. Usually, third level headings should/can be avoided. The first order heading is set in a bold typeface, with a line spacing of 1,5. The space above and below the heading is 12 and 3 points respectively. The first line is indented 0,25 mm. Numbering is in the format: "n.", with a space after the number. The second order heading is set in italic, with single line spacing. The space above and below the heading is 9 and 12 points respectively. The first line is indented 0,25 mm. Numbering is in the format: "n.m." with a space after the number.

[1]

References

- [1] H. Watanabe and K. M. Nakagawa, "Simd vectorization for the lennard-jones potential with avx2 and avx-512 instructions," *Computer Physics Communications*, vol. 237, pp. 1–7, 2019.